

quick start guide

1. Product features



HIDDEN HINGES & DOOR S/W

Slick-covered hidden hinges & door s/w helps Neat & Stylish square frontal view.



BLACK CLEAR LED DISPLAY (optional)

With luxurious black window, you can look and feel neat & clear design.



Coolselect Zone™ Drawer (optional)

With this state of the art feature, you can select Quick Cool, Thaw or Select buttons to quickly chill, thaw and cool items just in the CoolSelect drawer. Select Soft Freeze, Cool or 0 Zone to control the temperature of drawer.



SOFT TOUCH TYPE HOME BAR (optional)

With soft touch type Home Bar, just push and catch to open or close with latch and damping system.



EASY OPENNING (optional)

Doors can be opened easily and smoothly with this "Easy Handle" for the customer satisfaction.



EASILY MOVABLE TRAY (optional)











New concept tray to increase the movability with food simultaneously. Useful for storage of dessert and cake etc.

2. Safety Information

SAFETY INFORMATION

- Before operating the appliance, please read this manual thoroughly and retain it at a safe place near the appliance for your future reference.
- Use this appliance only for its intended purpose as described in this instruction manual. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Warnings and Important Safety Instructions in this manual do not cover all possible conditions and situations that may occur. It is your responsibility to use common sense, caution, and care when installing, maintaining, and operating your appliance.
- Because these following operating instructions cover various models, the characteristics of your refrigerator may differ slightly from those described in this manual and not all warning signs may be applicable. If you have any questions or concerns, contact your nearest service center or find help and information online at www.samsung.com.

Important safety symbols and precautions :

	Hazards or unsafe practices that may result in severe personal injury or death .
	Hazards or unsafe practices that may result in minor personal injury or property damage .
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Note.

These warning signs are here to prevent injury to you and others.
Please follow them carefully.
After reading this section, keep it in a safe place for future reference.



SEVERE WARNING SIGNS FOR TRANSPORTATION AND SITE



- When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.
 - Refrigerant leaking from the pipe work could ignite or cause an eye injury. If a leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
- In order to avoid the creation of a flammable gas-air mixture if a leak in the refrigerating circuit occurs, the size of the room in which the appliance may be sited depends on the amount of refrigerant used.
- Never start up an appliance showing any signs of damage. If in doubt, consult your dealer. The room where the refrigerator will be sited must be 1m³ in size for every 8g of R600a refrigerant inside the appliance. The amount of refrigerant in your particular appliance is shown on the identification plate inside the appliance.



SEVERE WARNING SIGNS FOR INSTALLATION



- Do not install the refrigerator in a damp place or place where it may come in contact with water.
 - Deteriorated insulation of electrical parts may cause an electric shock or fire.
 - Do not place this refrigerator in direct sunlight or expose to the heat from stoves, room heaters or other appliance.
 - Do not plug several appliances into the same multiple power board. The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
 - Do not plug several appliances into the same power socket. The refrigerator should always be plugged into its own individual electrical which has a voltage rating that matched the rating plate.
 - This provides the best performance and also prevents overloading house wiring circuits, which could cause a fire hazard from overheated wires.
 - If the wall socket is loose, do not insert the power plug.
 - There is a risk of electric shock or fire.
 - Do not use a cord that shows cracks or abrasion damage along its length or at either end.
 - Do not bend the power cord excessively or place heavy articles on it.
 - Never unplug your refrigerator by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet.
 - Damage to the cord may cause short-circuit, fire and/or electric shock.
 - Do not use aerosols near the refrigerator.
 - Aerosols used near the refrigerator may cause an explosion or fire.
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- This refrigerator must be properly installed and located in accordance with the manual before it is used.
- After unpacking, keep the packing materials out of reach of children.
 - There is a risk of death from suffocation if children put them over their head.
- Connect the power plug in proper position with the cord hanging down.
 - If you connect the power plug upside down, wire can get cut off and cause fire or electric shock.
- Make sure that the power plug is not squashed or damaged by the back of the refrigerator.
- When moving the refrigerator, be careful not to roll over or damage the power cord.
 - This constitutes a fire hazard.
- The appliance must be positioned so that the plug is accessible after installation.



- The refrigerator must be grounded.
 - You must ground the refrigerator to prevent any power leakages or electric shocks caused by current leakage from the refrigerator.
 - Never use gas pipes, telephone lines or other potential lightening rods as ground.
 - Improper use of the ground plug can result in electric shock.
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- If the power cord is damaged, have it replaced immediately by the manufacturer or its service agent.
- The fuse on the refrigerator must be changed by a qualified technician or service company.
 - Failing to do so may result in electric shock or personal injury.



CAUTION SIGNS FOR INSTALLATION



- Allow sufficient space to install the refrigerator on a flat surface.
 - If your refrigerator is not level, the internal cooling system may not work correctly.
- Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- Allow the appliance to stand for 2 hours after installation.



SEVERE WARNING SIGNS FOR USING

- Do not insert the power plug with wet hands.
- Do not store articles on the top of the appliance.
 - When you open or close the door, the articles may fall and cause personal injury and/or material damage.
- Do not put items filled with water on the refrigerator.
 - If spilled, there is a risk of fire or electric shock.
- Do not let children hang on the door.
 - Failure to do so may cause serious personal injury.
- Do not leave the doors of the refrigerator open while the refrigerator is unattended and do not let children enter inside of the refrigerator.
 - There is a risk of children entrapment and serious personal injury because of low temperature.
- Do not insert your hands into the bottom area under the appliance.
 - Any sharp edges may cause personal injury.
- Do not let children step on drawer's cover.
 - It may break and cause slip hazard.
- Do not overfill the refrigerator with food.
 - When you open the door, an item may fall out and cause personal injury or material damage.
- Never put fingers or other objects into the dispenser hole.
 - Failure to do so may cause personal injury or material damage.
- Do not store volatile or flammable substances such as benzene, thinner, alcohol, ether or LP gas in the refrigerator.
 - The storage of any of such products may cause explosions.
- Do not store low temperature-sensitive pharmaceuticals products, scientific materials or other low temperature-sensitive products in the refrigerator.
 - Products that require strict temperature controls must not be stored in the refrigerator.
- Do not place or use electrical appliance inside the refrigerator, unless they are of a type recommended by the manufacturer.

- Do not use a hair dryer to dry the inside of the refrigerator. Do not place a lighted candle in the refrigerator for removing bad odors.
 - This may result in electric shock or fire.
 - Do not touch the inside walls of the freezer or products stored in the freezer with wet hands.
 - This may cause frostbite.
 - Do not use mechanical devices or any other means to accelerate the defrosting process, other than those recommended by the manufacturer.
 - Do not damage the refrigerant circuit.
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- This product is intended only for the storage of food in a domestic environment.
 - Bottles should be stored tightly together so that they do not fall out.
 - If a gas leak is detected, avoid any naked flames or potential sources of ignition and air the room in which the appliance is standing for several minutes.
 - Use only the LED Lamps provided by manufacturer or service agents.
 - Children should be supervised to ensure that they do not play with and/or climb into the appliance.
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- Do not disassemble or repair the refrigerator by yourself.
 - You run risk of causing a fire, malfunction and/or personal injury. In case of malfunction, please contact your service agents.
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- Pull the power plug out of the socket before changing the interior lamps of the refrigerator.
 - Otherwise, there is a risk of electric shock.
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- If the appliance generates a strange noise, a burning or smell or smoke, unplug the power plug immediately and contact your nearest service center.
 - Failing to do so may result in electric or fire hazards. Keep ventilation opening in the appliance enclosure or mounting structure clear of obstruction.
- If you experience difficulty when changing the light, contact service agents.
- If the products equipped with LED Lamp, do not disassemble Lamp Cover and LED Lamp by yourself.
 - Please contact your service agents.
- If any dust or water is in refrigerator, pull out power plug and contact your Samsung Electronics service center.
 - There is a risk of fire.



CAUTION SIGNS FOR USING



- If the refrigerator is disconnected from the power supply, you should wait for at least five minutes before plugging it back in.
- If you will be away for more than three weeks or the refrigerator will not be used for a long period of time, you must empty and clean the refrigerator and pull out the power plug. Wipe excess moisture from the inside and leave the doors open.
 - Otherwise, odor and mold may develop.
 - Deterioration in the insulation may cause fire.
- If you have a long vacation or business trip and won't use water or ice dispensers, close the water valve.
 - Otherwise, water leakage may occur.
- To get best performance of product,
 - Do not place foods too closely in front of the vents at the rear of the appliance as it can obstruct free air circulation in the refrigerator compartment.
 - Wrap the food up properly or place it in airtight containers before put it into the refrigerator.
- Do not re-freeze frozen foods that have thawed completely.
- Do not place carbonated or fizzy drinks in the freezer compartment. Do not put bottles or glass containers in the freezer.
 - When the contents freeze, the glass may break and cause personal injury and property damage.
- Do not change the functionality of or modify the refrigerator.
 - Changes or modifications may result in personal injury and/or property damage. Any changes or modifications performed by a 3rd party on this completed appliance is neither covered under Samsung warranty service, nor is Samsung responsible for safety issues and damages that result from 3rd party modifications.
- Do not block air holes.
 - If the air holes are blocked, especially with a plastic bag, the refrigerator can be over cooled.
If this cooling period lasts too long, the water filter may break and cause water leakage.
 - Do not put any newly introduced food for freezing near to already food.
- Please observe maximum storage times and expiry dates of frozen goods.
- Fill water tank, ice tray, water cubes only with potable water.
- Do not place food inside the refrigerator in a haphazard way.
 - The food will not cool properly.
- In case the model has Cool Select Zone, do not insert a shell to this rail, or the shelf can collide with beverage station cover and the beverage station cover can be broken.
- Use only the ice maker provided with the refrigerator.
- The water supply to this refrigerator must only be installed/connected by a suitably qualified person and connect to a potable water supply only.
- In order to operate the ice maker properly, water pressure of 138 ~ 862kpa(1.4~8.8kgf/cm³) is required.



- If the appliance is flooded, cut the power immediately and contact your nearest service center.



CAUTION SIGNS FOR CLEANING AND MAINTENANCE



- Do not directly spray water inside or outside the refrigerator.
 - There is a risk of fire or electric shock.
- Do not spray inflammable gas near the refrigerator.
 - There is a risk of explosion or fire.

- Do not spray cleaning products directly on the display.
 - Printed letters on the display may come off.
 - Remove any foreign matter or dust from the power plug pins. But do not use a wet or damp cloth when cleaning the plug, remove any foreign material or dust from the power plug pins.
 - Otherwise there is a risk of fire or electric shock.
 - Never put fingers or other objects into the dispenser hole and ice chute.
 - It may cause personal injury or material damage.
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- Unplug the refrigerator before cleaning and performing maintenance.



SEVERE WARNING SIGNS FOR DISPOSAL

- Ensure that none of the pipes on the back of the appliance are damaged prior to disposal.
- R600a or R134a is used as a refrigerant. Check the compressor label on the rear of the appliance or the rating label inside the refrigerator to see which refrigerant is used for your refrigerator. When this product contains flammable gas (Refrigerant R600a), contact your local authority in regard to safe disposal of this product. Cyclopentane is used as a insulation blowing gas. The gases in insulation material require special disposal procedure. Please contact your local authorities in regard to the environmentally safe disposal of this product. Ensure that none of the pipes on the back of the appliances are damaged prior to disposal. The pipes shall be broke in the open space.
- If the appliance contains iso-butane refrigerant (R600a), a natural gas with high environmental compatibility that is, however, also combustible. When transporting and installing the appliance, care should be taken to ensure that no parts of the refrigerating circuit are damaged.



- When disposing of this product or other refrigerators, remove the door/door seals, door latch so that small children or animals cannot become trapped inside. Leave the shelves in place so that children may not easily climb inside. Children should be supervised to ensure that they do not play with the old appliance.



- Please dispose of the packaging material for this product in an environmentally friendly manner.

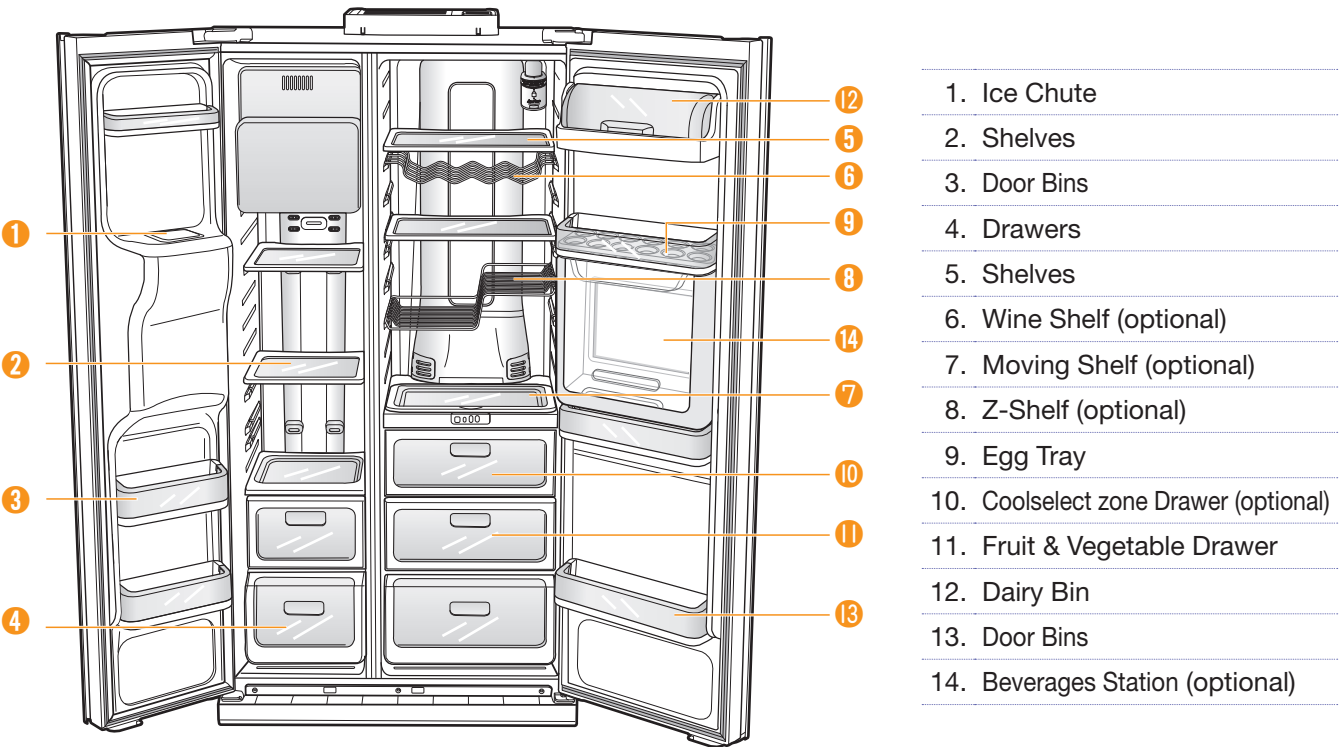


ADDITIONAL TIPS FOR PROPER USAGE

- In the event of a power failure, call the local office of your Electricity Company and ask how long it is going to last.
 - Most power failures that are corrected within an hour or two will not affect your refrigerator temperatures. However, you should minimize the number of door openings while the power is off.
 - Should the power failure last more than 24 hours, remove all frozen food.
- If keys are provided with the refrigerator, the keys should be kept out of the reach of children and not in vicinity of the appliance.
- The appliance might not operate consistently (possibility of temperature becoming too warm in refrigerator) when sited for an extended period of time below the cold end of the range of temperature for which the refrigerating appliance is designed.
- Do not store food which spoils easily at low temperature, such as bananas, melons.
- Your appliance is frost free, which means there is no need to manually defrost your appliance, as this will be carried out automatically.
- Temperature rising during the defrost can comply with ISO requirement. But if you want to prevent an undue rise in the temperature of the frozen food while defrosting the appliance, please wrap the frozen food in several layers of newspaper.
- Any increase in temperature of frozen food during defrosting can shorten its storage life.

3. Names and basic functions

Name of each component



Accessories

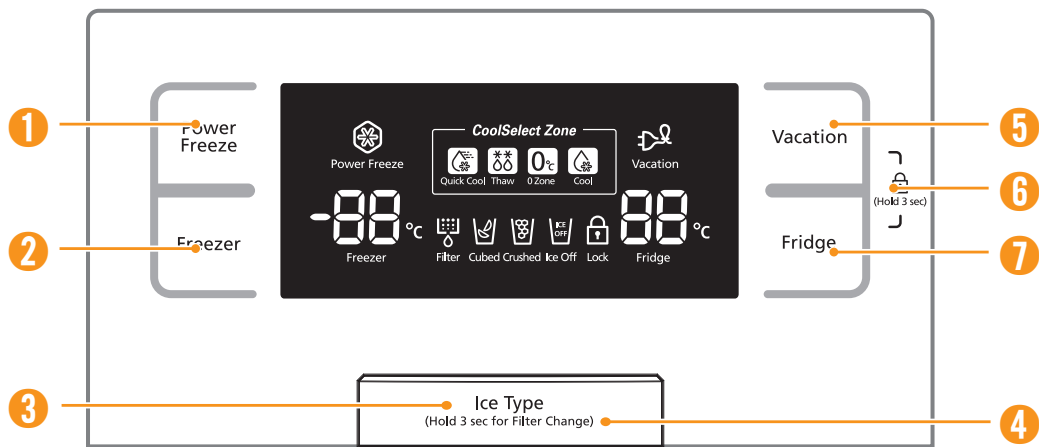


Filter Water

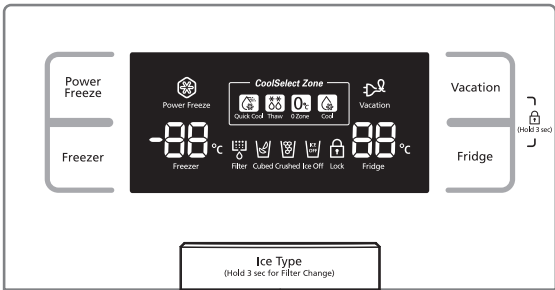


Assy install Filter

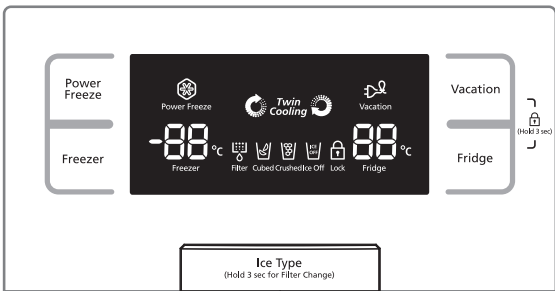
Button



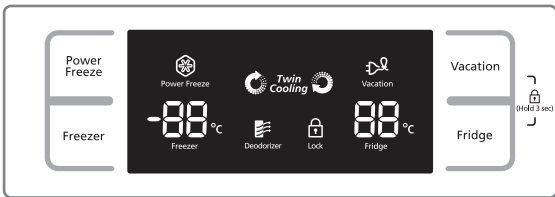
RSH5Z/K/Y/J***




RSH5P/F/U/D***



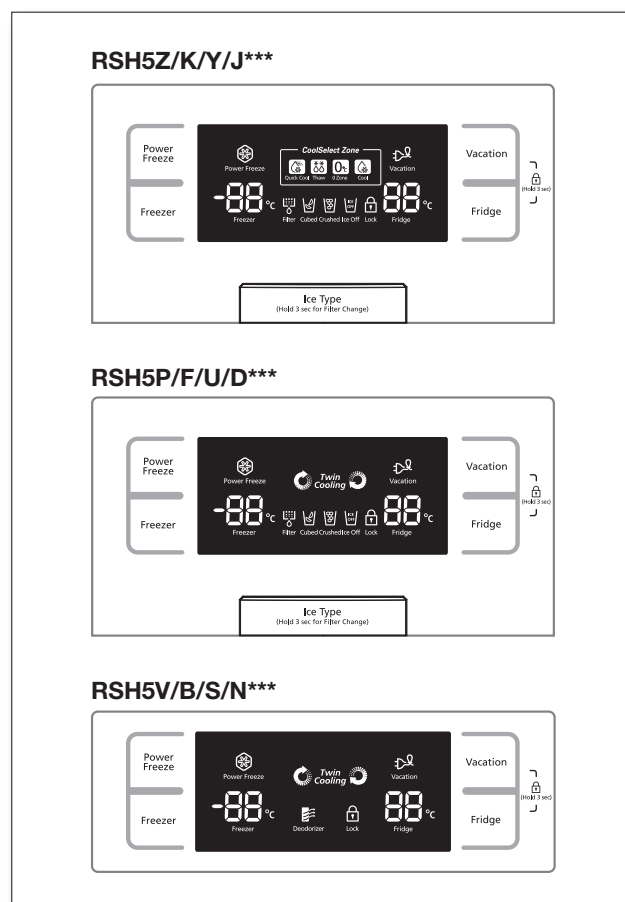
RSH5V/B/S/N***



Vacation option

①	POWER FREEZE BUTTON	Speeds up the time needed to freeze products in the freezer. This can be helpful if you need to quickly freeze items that spoil easily or if the temperature in the freezer has warmed dramatically (For example, if the door was left open).
②	FREEZER BUTTON	Press the FREEZER button to set the freezer to your desired temperature. You can set the temperature between -14°C (8°F) and -25°C (-14°F).
③	ICE TYPE BUTTON	Use this button to choose Cubed, Crushed or to turn the Ice feature off.
④	FILTER CHANGE BUTTON	When you change the filter, press this button for 3 seconds to reset the filter schedule.
⑤	VACATION BUTTON	<p>If you are going on vacation or business trip or you do not need to use the refrigerator, press the Vacation button. When you select vacation button for fridge compartment off, display LED of Vacation will be on.</p> <p> It is strongly requested to remove foods in the fresh-food compartment and do not leave the door open when you select Vacation function.</p>
⑥	CHILD LOCK FUNCTION	By pressing the Vacation button and the Fridge button simultaneously for 3 seconds, all buttons will be locked. The Water dispenser lever and the Ice lever will not work either. To cancel this function, Press these two buttons for 3 seconds again.
⑦	FRIDGE BUTTON	Press the FRIDGE button to set the fridge to your desired temperature. You can set temperature between 1°C and 7°C (34°F and 45°F).

Display



Power Freeze

- This icon will light up when you activate the “Power freeze” feature. “Power freeze” is great for times when you need a lot of ice. Press the Power freeze button and ice production will increase. When you have enough, just press the button again to cancel the “Power freeze” mode.



When you use this function the energy consumption of the refrigerator will increase. Remember to turn it off when you don't need it and return the freezer to your original temperature setting.

If you need to freeze large amount of food stuff, set the temperature of freezer compartment as the coldest temperature before you turn on the Power Freeze Button.

Filter Indicator

- When the filter indicator light is on, it is time to change the filter. Typically this happens about every 6 months. After removing the old water filter and installing a new one (see page 38 for instructions on how to do this), reset the indicator status light by pressing the Ice Type button for about 3 seconds. The indicator will light again in about 6 months to let you know it is time to change your water filter. When you do not use the water filter, press the Ice Type button for more than 5 seconds, the Filter indicator lamp and the Filter Change letters will be off.

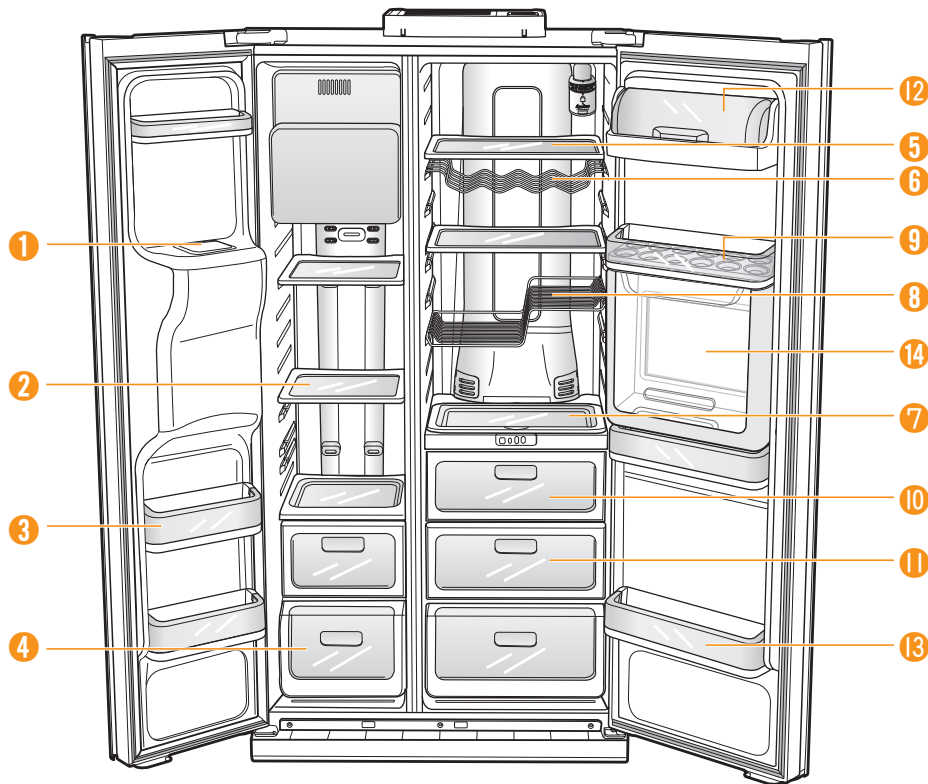
Cubed Ice , Crushed Ice

- Enjoy cubed or crushed ice by selecting your preference from the digital control panel. If you don't need ice, turn the feature off to save on water and energy consumption. The Ice type light indicates the type of ice(or no ice) that is currently chosen.

Child Lock

- This icon will light up when you activate the Child Lock function by pressing the Vacation button and the Fridge button simultaneously for 3 seconds. Press these two buttons for 3 seconds again to reactivate. Also, this button has another function. When this button is pressed for 3 seconds (lock indication lamp turn on), the heater for sweat control is off at a same time. If sweat is appeared around the cover dispenser or beverage station with this function, press this button for 3 seconds again. then, the light will turn off and the sweat control function will be performed. and all keys will be unlocked at a same time.

4. Storage of food



1. Ice Chute

- Do not put your fingers, hands or any other objects in the ice chute or the ice maker bucket. This may result in personal injury or material damage.

2. Shelves

- Can be used to store all types of frozen food.

3. Door Bins

- Can be used for small packages of frozen food.

4. Drawers

- Best used to store meats or dry foods. Stored food should be wrapped securely using foil or other suitable wrapping materials or containers.

5. Shelves

- Designed to be crack-resistant. They can be used to store all types of food and drinks. Circular marks on the glass surface are a normal phenomenon and can usually be wiped clean with a damp cloth.

6. Wine Shelf (optional)

- Helps wines maintain their taste by providing an optimized place for storing your wine bottles.

7. Moving Shelf (optional)

- Designed to be crack-resistant. They can be used to store all types of food and drinks. Circular marks on the glass surface are a normal phenomenon and can usually be wiped clean with a damp cloth.

8. Z-Shelf (optional)

- Maximizing and efficiently space usage. Enough to store not wine bottles but also 2 liter carton of milk.

9. Egg Tray

- Best place to keep eggs. Place the EGG TRAY on the shelf for easy access.

10. Coolselect Zone Drawer (optional)

- Helps to preserve the taste, and prolong the freshness of your food. Use it to store cheese, meat, poultry, fish or any other foods that are consumed on a regular basis.

11. Fruit & Vegetable Drawer

- Used to preserve the freshness of your stored vegetables and fruits. It has been specifically designed to control the level of humidity within the drawer.

12. Dairy Bin

- Can be used to store smaller dairy items like butter or margarine, yogurt or cream-cheese bricks.

13. Door Bins

- Designed to handle large, bulky items such as gallons of milk or other large bottles and containers.

14. Beverages Station (optional)

- Can be used to store the frequently used items, such as canned beverages and snacks and allows access to these items without opening the refrigerator door.



Bottles should be stored tightly together so that they do not tip and fall out when the refrigerator door is opened.

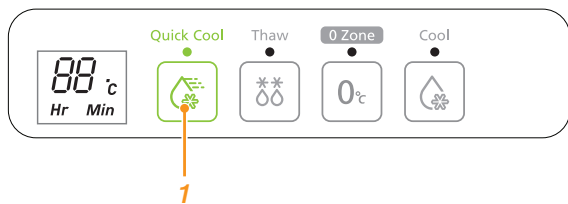


WARNING • If you plan to go away for a significant time, empty the refrigerator and turn it off. Wipe the excess moisture from the inside of the appliance and leave the doors open. This helps keep odor and mold from developing.

- If the refrigerator is not to be used for a long period of time, pull out the power plug.
- Deterioration in the power cord insulation may cause fire.

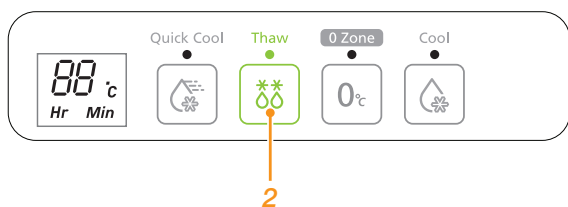
5. Controlling the Temperature

CoolSelect Zone™ Drawer (Optional)



1. Quick Cool

- You can use the Quick Cool feature with the CoolSelect Zone™.
- “Quick Cool” allows 1~3 canned beverages to cool within 60 min.
- To cancel this function, press the “Quick Cool” button again. CoolSelect Zone™ returns to the previous temperature.
- When “Quick Cool” ends, it returns to the “Cool” temperature setting



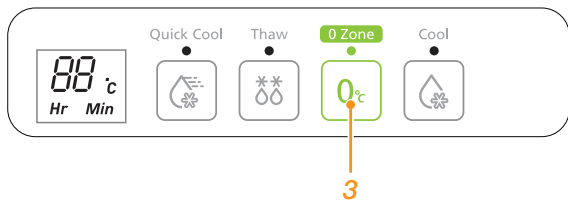
2. Thaw

- Drips loss and quality deterioration of meats reduces the freshness of foods.
- After “Thaw” is selected, warm and cold air is alternately supplied into the CoolSelect Zone™ Drawer.
- Depending on the weight of meat, thawing time can be selected for 4 hrs, 6 hrs, 10 hrs, and 12 hrs sequentially.
- When “Thaw” ends, CoolSelect Zone™ display returns to “Zero Zone” condition.
- When “Thaw “ ends, there are no juice in the meats and they are half-frozen condition so it is easy to cut them for cooking.
- To cancel this option, press any button except “Thaw”.
- The approximate thawing time of meat and fish are shown below. (Based on 1inch thickness)

THAW TIME	4hours	6hours	10hours	12hours
WEIGHT	363g (0.8lb)	590g (1.3lb)	771g (1.7lb)	1000g (2.2lb)

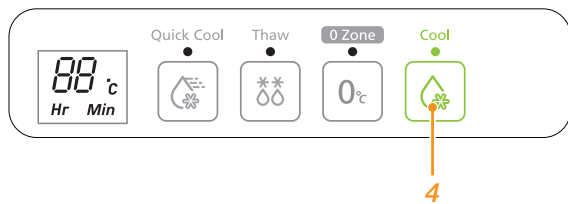


- Depending on the size and thickness of meat and fish, the thawing time may vary.
- The above weight represents the total weight of food in the CoolSelect Zone™ Drawer.
Ex) The total thawing time for 400g frozen beef and 600g frozen chicken will be 10 hours.



3. Zero Zone (0°C)

- When “Zero Zone” is chosen, the temperature of the CoolSelect Zone™ Drawer is kept at 0 °C regardless of the set refrigerator temperature.
- “Zero Zone” temperature helps keep meat or fish fresh longer.



4. Cool

- When “Cool” is chosen, the temperature will be the same as the set temperature of the refrigerator.
The digital panel shows the same temperature as that of the display panel.
- The CoolSelect Zone™ Drawer allows extra refrigerator space.

6. Troubleshooting

PROBLEM	SOLUTION
The refrigerator does not work at all or it does not chill sufficiently.	<ul style="list-style-type: none">• Check that the power plug is properly connected.• Is the temperature control on the display panel set to the correct temperature? Try setting it to a lower temperature.• Is the refrigerator in direct sunlight or located too near a heat source?• Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?
The food in the fridge is frozen.	<ul style="list-style-type: none">• Is the temperature control on the display panel set to the correct temperature? Try setting it to a warmer temperature.• Is the temperature in the room very low?• Did you store the food with a high water content in the coldest part of the fridge? Try moving those items into the body of the fridge instead of keeping them in the CoolSelect Zone™ drawer.
You hear unusual noises or sounds.	<ul style="list-style-type: none">• Check that the refrigerator is level and stable.• Is the back of the refrigerator too close to the wall and therefore keeping air from circulating?• Was anything dropped behind or under the refrigerator?• A “ticking” sound is heard from inside the refrigerator. This is normal and occurs because various accessories are contracting or expanding in relation to the temperature of the refrigerator interior.
The front corners of the appliance are hot and condensation is occurring.	<ul style="list-style-type: none">• Some heat is normal as anti-condensators are installed in the front corners of the refrigerator to prevent condensation.• Is the refrigerator door ajar? Condensation can occur when you leave the door open for a long time.
Ice is not dispensing.	<ul style="list-style-type: none">• Did you wait for 12 hours after installation of the water supply line before making ice?• Is the water line connected and the shut-off valve open?• Did you manually stop the ice making function? Make sure Ice Type is set to Cubed or Crushed.• Is there any ice blocked within the ice maker bucket?• Is the freezer temperature too warm? Try setting the freezer temperature lower.
You can hear water bubbling in the refrigerator.	<ul style="list-style-type: none">• This is normal. The bubbling comes from the refrigerant coolant liquid circulating through the refrigerator.
There is a bad smell in the refrigerator.	<ul style="list-style-type: none">• Has a food item spoiled?• Make sure that strong smelling food (for example, fish) is wrapped so that it is airtight.• Clean out your freezer periodically and throw away any spoiled or suspect food.
Frost forms on the walls of the freezer.	<ul style="list-style-type: none">• Is the air vent blocked? Remove any obstructions so air can circulate freely.• Allow sufficient space between the foods stored for efficient air circulation.• Is the freezer door closed properly?
Water dispenser is not functioning.	<ul style="list-style-type: none">• Is the water line connected and the shut-off valve open?• Has the water supply line tubing been crushed or kinked? Make sure the tubing is free and clear of any obstruction.• Is the water tank frozen because the refrigerator temperature is too low? Try selecting a warmer setting on the main display panel.